



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/021,958	12/14/2001	Jari Vallstrom	413-010736-US(PAR)	1837
2512	7590	02/28/2006	EXAMINER	
PERMAN & GREEN 425 POST ROAD FAIRFIELD, CT 06824			POWERS, WILLIAM S	
			ART UNIT	PAPER NUMBER
			2134	
DATE MAILED: 02/28/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/021,958	<b>Applicant(s)</b> VALLSTROM, JARI	
	<b>Examiner</b> William S. Powers	<b>Art Unit</b> 2134	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 14 November 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☒ Certified copies of the priority documents have been received in Application No. 10/022,559.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Response to Amendment***

***Drawings***

1. In light of Applicant's amendment, all previous objections to the drawings are withdrawn.

***Claim Objections***

2. In light of Applicant's amendments, all previous claim objections are withdrawn.

***Claim Rejections - 35 USC § 112***

3. In light of Applicant's amendments all previous 35 USC 112, 2<sup>nd</sup> paragraph rejections are withdrawn.

***Claim Rejections - 35 USC § 101***

4. In light of Applicant's amendments, all previous 35 USC 101 rejections are withdrawn.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-5, 7-9, 11 and 14-16 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,933,785 to Tayloe.

As to claims 1, 11 and 14 Tayloe teaches:

- a. A SIM card with multiple users' identification data using user specific encryption for phone utilization (column 3, lines 39-45).
- b. A login procedure, including entering a user specific PIN code, to activate a phone in a network (column 2, line 59-column 3, line 7).
- c. The SIM card has memory to store the several different numbers and encryption algorithms (column 3, lines 39-49).

As to claim 2, Tayloe teaches the storing of data on the SIM card for use by the users (column 4, lines 45-50).

As to claim 3, Tayloe teaches the use of a PIN code to access subscriber information (column 2, line 59-column 3, line 7).

As to claim 4, 5 and 15, Tayloe teaches the use of a PIN code for user identification (column 2, lines 61-65). As described previously, a PIN code is a specialized password composed of numbers (Microsoft Computer Dictionary, pages 393 and 404).

As to claim 7, Tayloe teaches that each universal number (user) on a particular SIM card has user specific encryption algorithms (column 3, 39-49).

As to claim 8, Tayloe teaches the use of encryption keys for secure communications (column 3, lines 62-65).

As to claim 9, Tayloe teaches the use of data to select the best network for the user to access (column 4, lines 50-55).

As to claim 16, Tayloe teaches the use of a second PIN code to activate the phone (column 5, lines 57-59).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 6, 10, 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,933,785 to Tayloe in view of "Realization of a Mobile Data Application in TETRA" by Lammerts et al (hereto referred to as Lammerts).

As to claim 6, Tayloe teaches user specific identification (column 3, lines 45-49), but does not specifically teach the use of a user specific ITSI code. However, in an analogous art, Lammerts teaches the use of user specific ITSI code in a TETRA network (page 248, paragraph 2).

Therefore, it would be obvious to one with ordinary skill in the art at the time the invention was made to use the generic PIN and PUK codes of Tayloe with the specific ITSI code of Lammerts in order to identify each entity in a TETRA network as suggested by Lammerts.

As to claims 10, 12 and 13, Tayloe teaches subscribers to a communication device that has access to all cellular systems in a secure manner (column 1, lines 29-35), but does not specifically mention a TETRA network with authorities as subscribers.

Art Unit: 2134

However, in an analogous art, Lammerts teaches that "Public Safety organizations" use TETRA networks to ensure high capacity and secure transmissions (page 247, paragraph 3).

Therefore, it would be obvious to one with ordinary skill in the art at the time the invention was made to have subscribers that use the communication device that has access to all cellular systems of Tayloe with the specific TETRA network with municipal authorities as subscribers of Lammerts to ensure high capacity and secure transmissions as suggested by Lammerts (page 247, paragraph 3).

7. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,933,785 to Tayloe in view of U.S. Patent No. 6,513,719 to Imura.

As to claim 17, Tayloe teaches the use of a PIN code to access the network (column 2, lines 61-65), but does not specifically teach the use of a PUK code. However, in an analogous art, Imura teaches the use of a PUK (Personal Unblocking Key) code to unblock an account that has a PIN that has been blocked due to several occurrences of entering an incorrect PIN code as a second layer of security for the account (column 13, lines 5-34).

Therefore, it would be obvious to one of ordinary skill in the art at the time the invention was made to use the PIN code of Tayloe with the PUK code of Imura as a second layer of security for the account.

***Response to Arguments***

8. Applicant's arguments filed 11/14/2005 have been fully considered but they are not persuasive.

Applicant argues that the prior art, Tayloe, cited by the Examiner "does not disclose nor suggest any use of several PIN codes, which belong to different users, in the SIM card to differentiate the users from each other." The Applicant is directed to Tayloe, column 3, lines 41-48, that states that there can be more than one user on a SIM card and that each number has its own universal identification number and encryption. Tayloe further states that the SIM card can have "several different people each with different numbers (on one SIM card) can receive secure calls on a common communications device on a dynamic basis" (column 3, lines 59-61). Finally, Tayloe states that additional numbers maybe activated by "keying an additional PIN on the keypad of the phone" (column 5, lines 57-59). It is clear that the invention of the Applicant was anticipated by Tayloe's multiple user SIM card that is protected by user specific PINs.

Applicant further argues that Tayloe does not use "user identification during login before permitting terminal use/activation." Applicant is directed to column 2, line 59- column 3, line 7, which describes the login process for the phone system of Tayloe. The phone is not operable in a network until the SIM card is inserted into the phone and the correct PIN is entered.



***Conclusion***

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

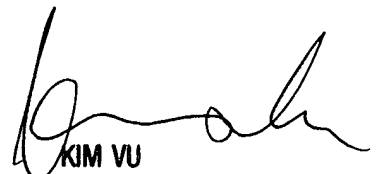
Any inquiry concerning this communication or earlier communications from the examiner should be directed to William S. Powers whose telephone number is 751 272 8573. The examiner can normally be reached on m-f 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on 571 272 3819. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2134

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
William S. Powers  
Examiner  
Art Unit 2134

  
KIM VU  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100